

**Amendments to the Drawings:**

The attached sheet of drawings includes changes to Figures 1, 2, 3, 4A, and 13B.

In the substitute Figure 1, the directional flow from step 111 has been switched, which correctly reflects the Applicant's invention and specification. The Office is directed to Page 31, line 28, "If there is more than one cluster remaining, Step 113 is performed after Step 109" and directed to page 32, line 14 "If there is only one cluster remaining (from step 111), Step 115 is performed after Step 109."

In substitute Figure 2, correction is made to the horizontal axis " $a_1$ " reflected on Page 12, lines 23-26, and correction is made to curve reference number "curve 230."

Substitute Figures 3A, 3B and 3C replace drawings originally filed and labeled Figure 3.

Substitute Figure 3C more accurately connects the reference to numeral 301 to the drawing.

Substitute Figure 4A more accurately connects the reference to numeral 434 to the drawing.

Substitute Figure 13B includes reference to "+" on the horizontal axis.

Fig. 1

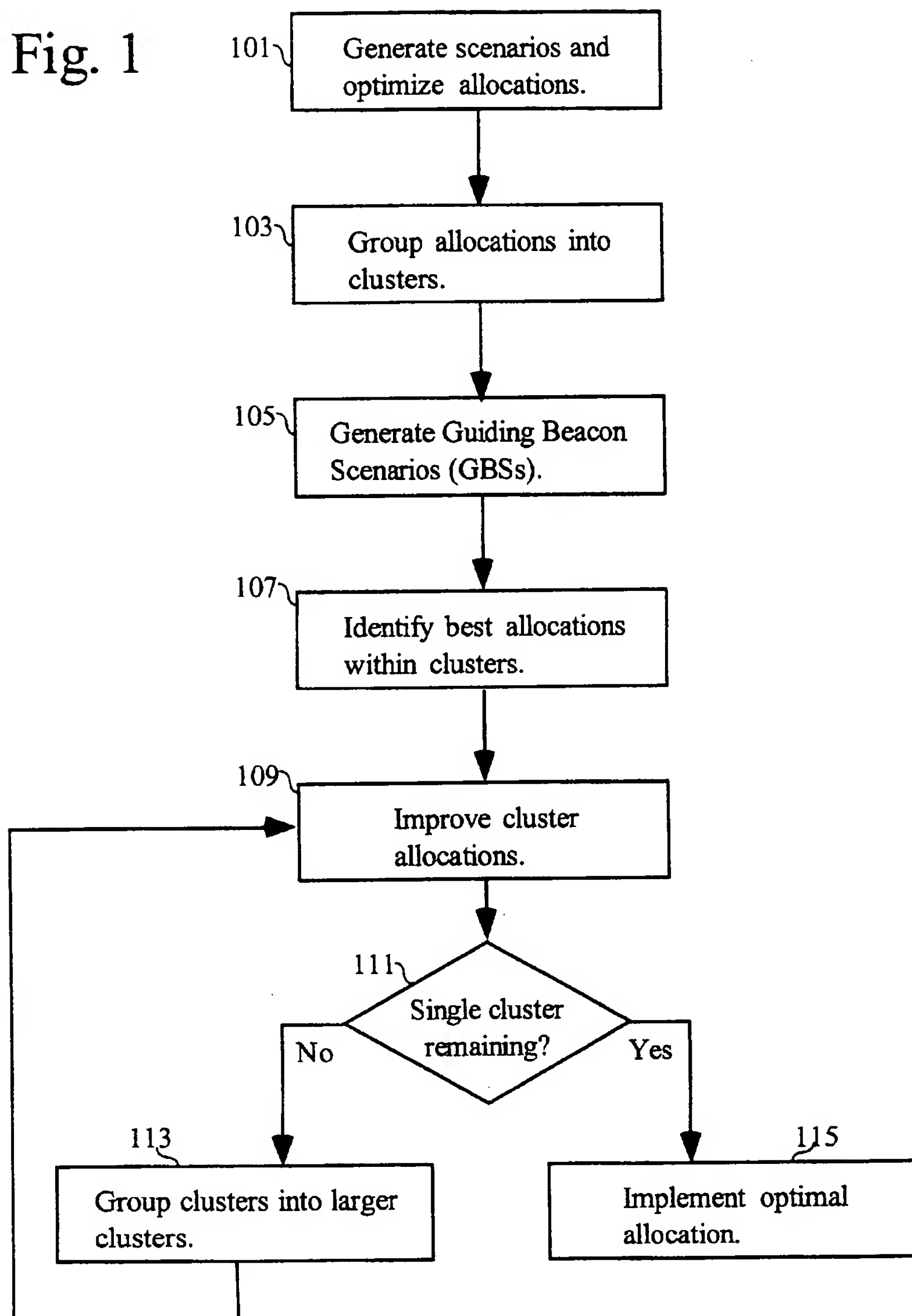


Fig. 2

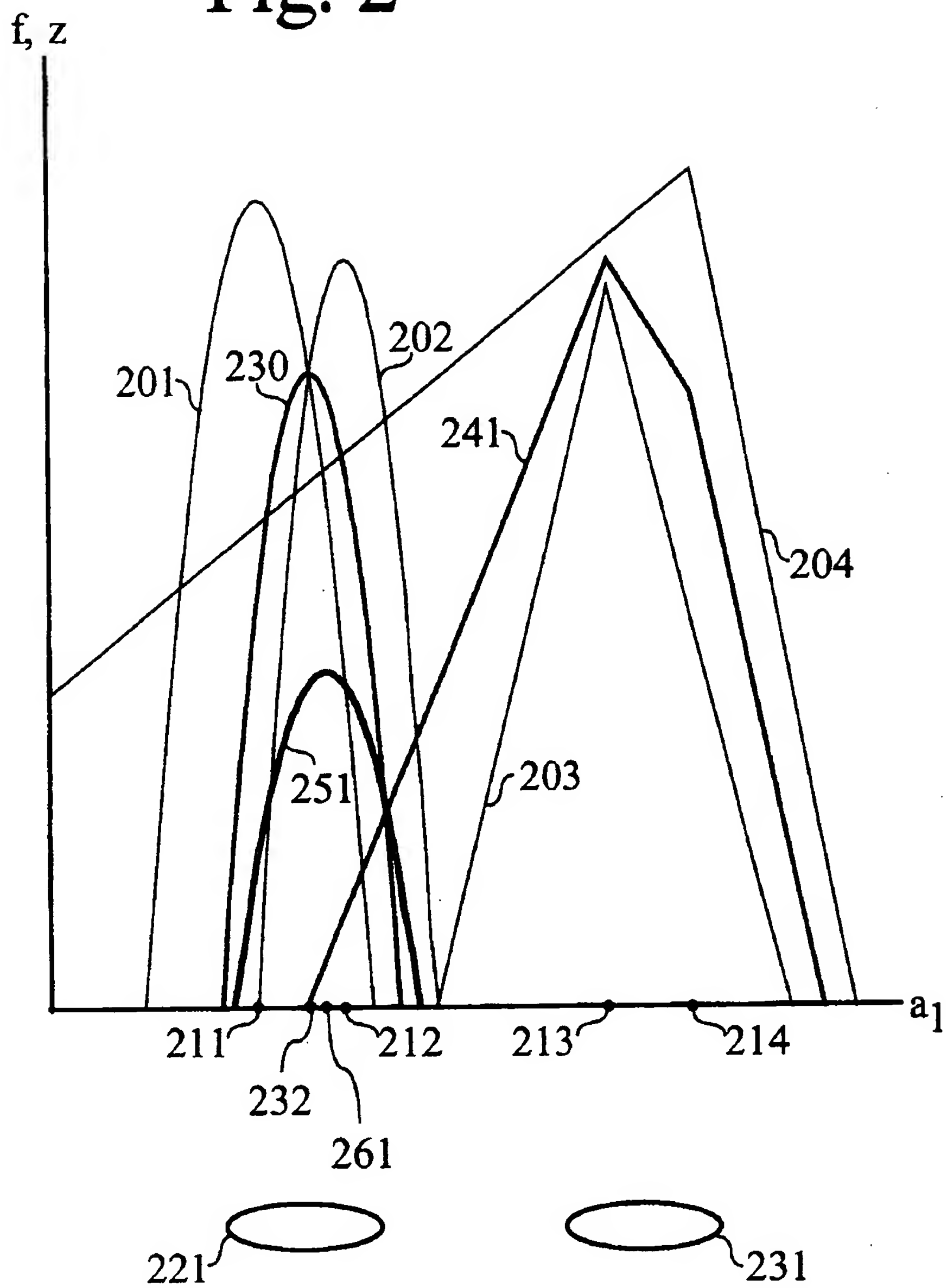


Fig. 3A

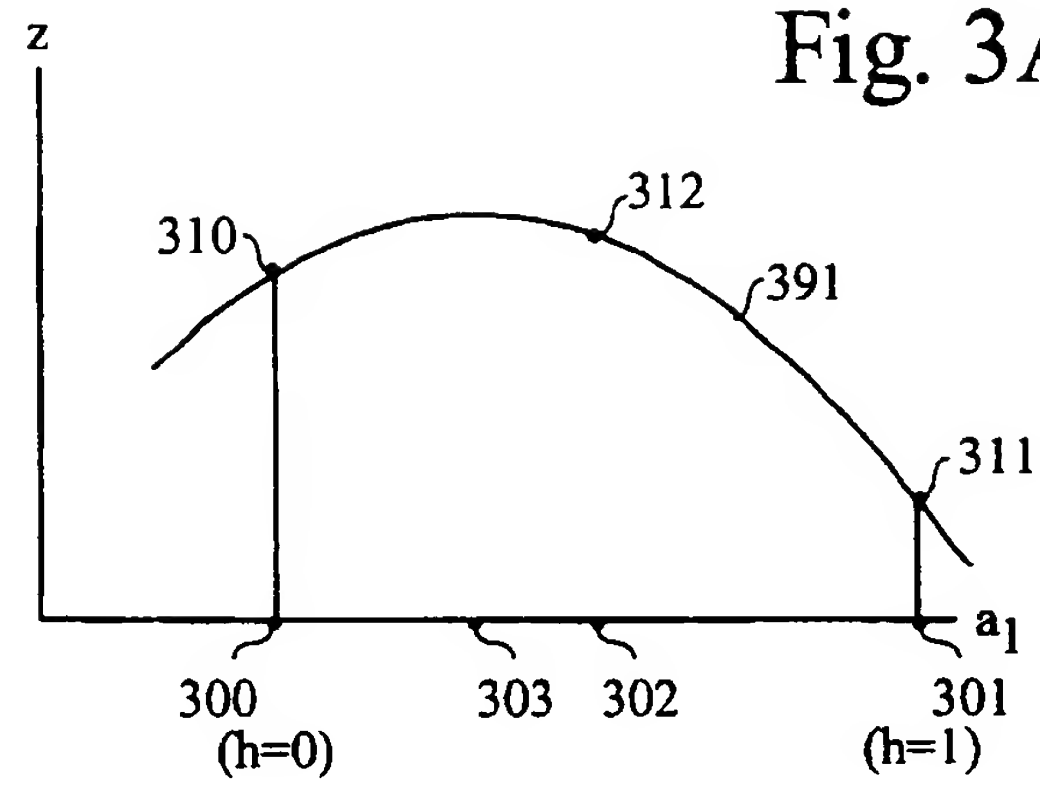


Fig. 3B

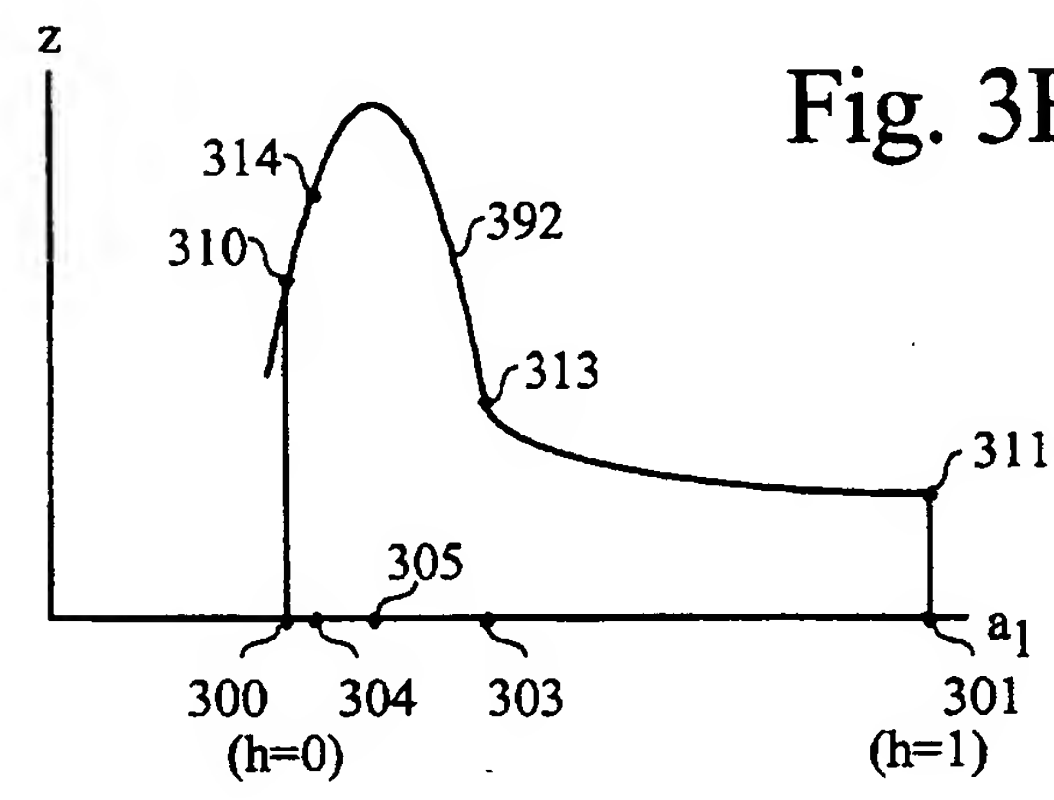


Fig. 3C

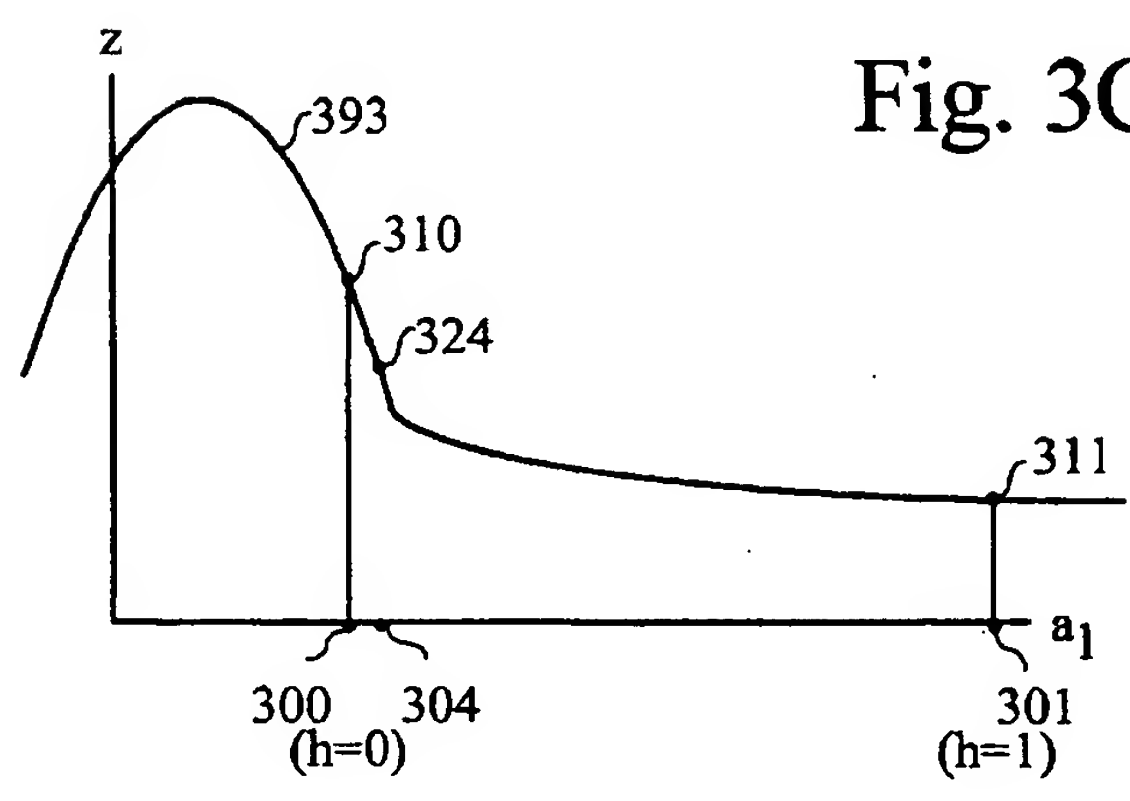
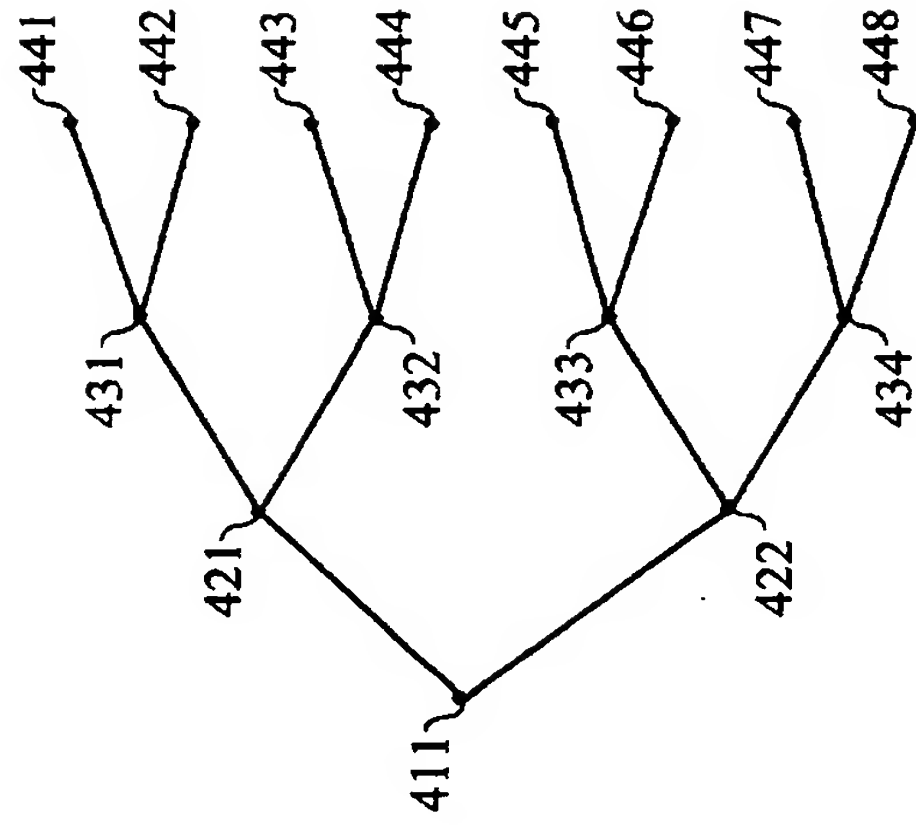
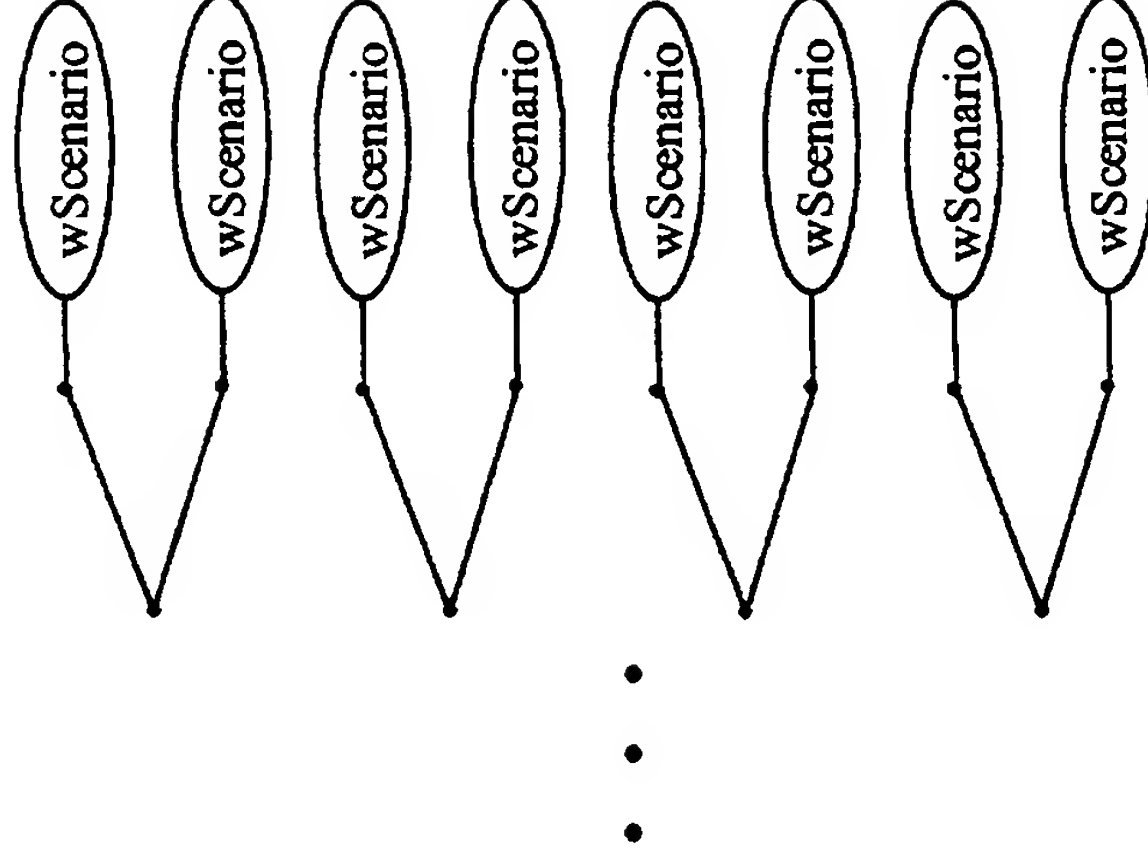


Fig. 4A



$a_1$     $a_2$     $a_3$     $a_4$   
 $w_1$     $w_2$     $w_3$

Fig. 4B



$a_{nStage-1}$     $a_{nStage}$   
 $w_{nStage-1}$

Fig. 12

```

class ZCluster : public...
{
    wScenarioCntn;
    xAllocBestCntn;
    xAllocOpt;

    XAllocEvaluator(xAlloc, OKadd);
    ConsiderAppendBestXAlloc(xAllocAdd, xAllocDel);

    Improver();
    SimpleParabolaSearch();
    InnerCompressSearch();
    OuterCompressSearch();
    GenxAlloc(h);
    xAllocHurdle;
    wasImproved;
    xAlloc0;
    xAlloc0off;
    xAlloc1;
    xAllocch;
    xAllocBnd;
};

```

Fig. 13A

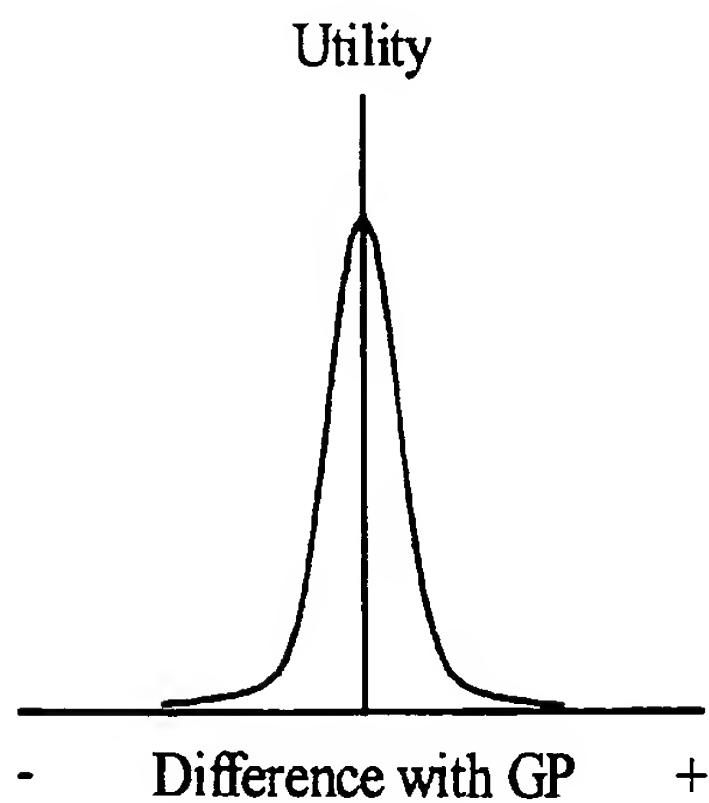


Fig. 13B

